

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR2004/002657

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/395 A61P35/00 A61P31/00 A61P31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 653 978 A (KUMPEL BELINDA MARY ET AL) 5 August 1997 (1997-08-05) column 1 - column 3	1-19
Y	WO 01/77181 A (GLACET ARNAUD ; BELIARD ROLAND (FR); BOUREL DOMINIQUE (FR); FRACTIONNE) 18 October 2001 (2001-10-18) cited in the application page 1, lines 10-14; claims 1-32; table 3 page 27 - page 37 ----- -/--	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

05/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SCHARF O ET AL: "Immunoglobulin G3 from polyclonal human immunodeficiency virus (HIV) immune globulin is more potent than other subclasses in neutralizing HIV type 1"</p> <p>JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 75, no. 14, July 2001 (2001-07), pages 6558-6565, XP002219983 ISSN: 0022-538X abstract</p>	18
A	<p>BREDIUS R G M ET AL: "ROLE OF NEUTROPHIL FCGRIIA (CD32) AND FCGRIIB (CD16) POLYMORPHIC FORMS IN PHAGOCYTOSIS OF HUMAN IGG1- AND IGG3-OPSONIZED BACTERIA AND ERYTHROCYTES"</p> <p>IMMUNOLOGY, OXFORD, GB, vol. 83, no. 4, 1994, pages 624-630, XP000914745 ISSN: 0019-2805 abstract</p>	1-19
A	<p>SHINKAWA T ET AL: "The absence of fucose but not the presence of galactose or bisecting N-acetylglucosamine of human IgG1 complex-type oligosaccharides shows the critical role of enhancing antibody-dependent cellular cytotoxicity"</p> <p>JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 278, no. 5, 31 January 2003 (2003-01-31), pages 3466-3473, XP002965857 ISSN: 0021-9258 page 3471, left-hand column, paragraph 2 - right-hand column, paragraph 3 page 3472, right-hand column, paragraph 2 - page 3473, left-hand column, paragraph 1</p>	1-19
A	<p>SHITARA KENYA ET AL: "A new vector for the high level expression of chimeric antibodies in myeloma cells"</p> <p>JOURNAL OF IMMUNOLOGICAL METHODS, vol. 167, no. 1-2, 1994, pages 271-278, XP002911931 ISSN: 0022-1759 page 275, left-hand column, line 6</p> <p style="text-align: center;">-/--</p>	1-19

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KLEIN P ET AL: "HUMAN RECOMBINANT ANTI-RH(D) MONOCLONAL ANTIBODIES: IMPROVEMENT OF BIOLOGICAL PROPERTIES BY IN VITRO CLASS-SWITCH" HUMAN ANTIBODIES, AMSTERDAM, NL, vol. 8, no. 1, 1997, pages 17-25, XP001015726 ISSN: 1093-2607 the whole document page 22, right-hand column -----</p>	1-19

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 16 and 17, not restricted by the term "in vitro", may concern a method of treatment for the human or animal body, the search was carried out and was based on the effects ascribed to the product.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☐

No protest accompanied the payment of additional search fees.